

Please replace the second full paragraph on page 19 with the following paragraph:

BS
Salt spray corrosion data (Table 12) shows no noticeable differences either for both PDO derived and NPG control powder coatings. This test was performed via exposure in a chamber to 5 percent sodium chloride solution at a temperature of 35°C for 1000 hours over cold rolled steel panels (S-36 from Q Panel).


Remarks

The above amendments are requested to change minor typographic errors in the specification. A marked up copy of these paragraphs is attached hereto. The Applicants will also later send a letter to the draftsman which requests that the drawings be amended by substituting a revised Figure 4 for Figure 4 as filed. The changes are necessary to make the legends in the figure correspond to the legends in Table 8 which has the data from which Figure 4 was plotted.

Table 8 has been changed to delete the duplicate column PT-30 which currently is the file right hand column of the table. Table 8 has also been amended to change the designation of the column just to the left of the deleted column from PT-30 to PT-15. It is clear by reference to Figure 4 that this last change is correct and is supported by the specification as filed.

Respectfully submitted,

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APPENDIX

In the Specification:

Pages 4 and 5, bridging paragraph:

The starting materials for the present invention are aliphatic diols, [an] aromatic dicarboxylic acids, a triglycidyl isocyanurate crosslinking agent, 1,3-propanediol, and optionally conditioning agents, auxiliary agents and other conventional catalysts and additives.

Pagres 9 and 10, bridging paragraph:

Polyester powder coatings prepared from PDO derived polyesters were formulated with triglycidyl isocyanurate resin via equal equivalents of carboxyl/epoxy groups. For the compositions of this invention the molar ratio of epoxy to carboxyl is in the range of 0.5/1 to 6/1. PT-810 (TGIC) triglycidyl isocyanurate resin from Ciba Geigy Corp. was used as a crosslinking agent for the polyesters. Choline chloride (0.18%, Actiron CT-6 from Synthron, Inc.) was used as a catalyst. Flow control agent (Modaflow Powder III from Monsanto) and degassing agent benzoin (Uraflow-B from GCA Chemical Corporation) were also incorporated into the coatings. Pigmented powder coatings based on R-960 TiO₂ (DuPont) at a pigment/binder ratio of 0.7/1 by weight were also evaluated. The final powder coating compositions are listed in Table 2.

Please replace Table 2 which appears on page 10 with the following table.

Table 2. Powder Coatings Formulations

| Ingredients (wt%) | T-00 | T-15 | T-30 | T-50 | T-100 | PT-00 | PT-15 | PT-30 |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| TE00 | 91.13 | --- | --- | --- | --- | 54.55 | --- | --- |
| TE15 | --- | 91.70 | --- | --- | --- | --- | 54.89 | --- |
| TE30 | --- | --- | 91.73 | --- | --- | --- | --- | 54.91 |
| TE50 | --- | --- | --- | 91.26 | --- | --- | --- | --- |
| TE100 | --- | --- | --- | --- | 91.35 | --- | --- | --- |
| TGIC PT-810 | 7.11 | 6.54 | 6.51 | 6.98 | 6.90 | 4.26 | 3.91 | 3.90 |
| DuPont R-960 TiO ₂ | --- | --- | --- | --- | --- | 39.40 | 39.40 | 39.40 |
| Choline Chloride | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.12 | 0.12 | 0.12 |
| Modaflow Powder III | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 |
| Benzoin | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.50 | 0.50 | 0.50 |
| Total | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

Please replace Table 8 which appears on page 16 with the following new table:

Table 8. Front/Reverse Impact Resistance of Polyester/TGIC Powder Coatings

| Film Thickness (mil) (mm) | T-00 (in.lb.) (N-m) | T-30 (in.lb.) (N-m) | T-30 (in.lb.) (N-m) | T-50 (in.lb.) (N-m) | PT-00 (in.lb.) (N-m) | PT-30/15 (in.lb.) (N-m) | [PT-30 (in.lb.) (N-m)] |
|---------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|-------------------------------|------------------------------|
| 1.4-1.6 (0.036-0.041) | --- | --- | --- | --- | 130/130 (14.7/14.7) | 160/160 (18.1/18.1) | 160/160 (18.1/18.1) |
| 1.8-2.0 (0.046-0.051) | 160/160 (18.1/18.1) | 160/160 (18.1/18.1) | 160/160 (18.1/18.1) | 160/160 (18.1/18.1) | --- | --- | --- |
| 1.9-2.2 (0.048-0.056) | --- | --- | --- | --- | 100/90 (11.3/10.7) | 160/160 (18.1/18.1) | 160/160 (18.1/18.1) |
| 2.2-2.4 (0.056-0.061) | 140/140 (15.8/15.8) | 160/160 (18.1/18.1) | 160/160 (18.1/18.1) | 160/160 (18.1/18.1) | --- | --- | --- |
| 2.4-2.6 (0.061-0.066) | --- | --- | --- | --- | 80/60 (9.0/6.7) | 160/160 (18.1/18.1) | 160/160 (18.1/18.1) |
| 2.6-2.9 (0.066-0.074) | 110/100 (12.4/11.3) | 160/160 (18.1/18.1) | 160/160 (18.1/18.1) | 160/160 (18.1/18.1) | --- | --- | --- |
| 3.3-3.5 (0.084-0.089) | 60/30 (6.7/3.4) | 100/80 (11.3/9.0) | 130/130 (14.7/14.7) | 160/160 (18.1/18.1) | --- | --- | --- |

Page 19, second full paragraph:

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